ELSEVIER

Journal of Non-Crystalline Solids 217 (1997) 329–331

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index

Agarwal, A., see Peng, Y.-L. 217 (1997) 272
Almeida, R.M., see Orignac, X. 217 (1997) 155
Angell, C.A., see Hemmati, M. 217 (1997) 236
Anselm, L. and G.H. Frischat, Atomic force microscopy of heavy metal fluoride glasses 217 (1997) 115
Ayers, M.R. and A.J. Hunt, Visibly photoluminescent silica aerogels 217 (1997) 229

Baade, T., see Walter, G. 217 (1997) 299
Bertagnolli, H., see Kolb, U. 217 (1997) 162
Bettinelli, M., see Wachtler, M. 217 (1997) 111
Beudert, R., see Kolb, U. 217 (1997) 162
Bitsis, M.S., see Chryssikos, G.D. 217 (1997) 278
Blanchet, T.A., see Peng, Y.-L. 217 (1997) 272
Bosch, P., see Mendoza-Serna, R. 217 (1997) 30
Brito, G.E.S., C.V. Santilli, S.H. Pulcinelli and A.F. Craievich, SAXS measurements of the porosity in Cu(II)-doped SnO_2 xerogels during crystallization 217 (1997) 41
Brückner, R., see Murach, J. 217 (1997) 92
Bunimovich, D., see Nagli, L. 217 (1997) 208
Burneau, A., J. Lepage and G. Maurice, Porous silica–water interactions. I. Structural and dimensional changes induced by water adsorption 217 (1997) 1
Burneau, A., see Lepage, J. 217 (1997) 11

Chen, Y.G. and B.X. Liu, Observation of ion-induced alloy phase formation in an immiscible Y–Ta system 217 (1997) 308
Choi, S.-Y., see Song, S.-M. 217 (1997) 79
Choi, Y.G. and J. Heo, 1.3 μm emission and multiphonon relaxation phenomena in $PbO–Bi_2O_3–Ga_2O_3$ glasses doped with rare-earths 217 (1997) 199
Chryssikos, G.D., M.S. Bitsis, J.A. Kapoutsis and E.I. Kamitsos, Vibrational investigation of lithium metaborate–metaaluminate glasses and crystals 217 (1997) 278
Colomer, M.T. and J.R. Jurado, Preparation and characterization of gels of the $ZrO_2–Y_2O_3–RuO_2$ system 217 (1997) 48
Craievich, A.F., see Brito, G.E.S. 217 (1997) 41
Craig, B.I. and R.J. Watson, Observation of a conducting filament within unhydrogenated amorphous silicon 217 (1997) 106

Dasmohapatra, G.K., On $^3P_1$ ($^3P_0$) emission of Pr^{3+} in calcium metaphosphate glass 217 (1997) 224
Deckwerth, M. and C. Rüssel, Crystallization of oxynitride glasses in the system Mg–Ca–Al–Si–O–N prepared with the aid of a polymeric precursor 217 (1997) 55
Deckwerth, M. and C. Rüssel, Oxynitride glasses in the system Mg–Ca–Al–Si–O–N prepared with the aid of a polymeric precursor: preparation and properties 217 (1997) 66
Ding, B.Z., see Yao, B. 217 (1997) 317

Frischat, G.H., see Anselm, L. 217 (1997) 115

Garofalini, S.H., see Litton, D.A. 217 (1997) 250
Gorodetsky, O., see Nagli, L. 217 (1997) 208
Gueguen, E., see Le Sauze, A. 217 (1997) 83
Gutwerk, D., see Kolb, U. 217 (1997) 162
Guyot, N., see Lepage, J. 217 (1997) 11

Hemmati, M. and C.A. Angell, IR absorption of silicate glasses studied by ion dynamics computer simulation. I. IR spectra of SiO_2 glass in the rigid ion model approximation 217 (1997) 236
Heo, J., see Choi, Y.G. 217 (1997) 199
Holzwarth, U., see Hugenschmidt, C. 217 (1997) 72
Hoppe, U., see Walter, G. 217 (1997) 299
Horie, K., see Matsuura, K. 217 (1997) 136
Houde-Walter, S.N., see Messerschmidt, B. 217 (1997) 264
Hsieh, C.H., see Messerschmidt, B. 217 (1997) 264
Hu, Z.Q., see Yao, B. 217 (1997) 317
Hugenschmidt, C., U. Holzwarth, M. Jansen, S. Kohn and K. Maier, Crystallization of silica studied by positron annihilation 217 (1997) 72
Hunt, A.J., see Ayers, M.R. 217 (1997) 229

Jagannathan, R., see Nachimuthu, P. 217 (1997) 215
Jander, S., see Murach, J. 217 (1997) 92
Jansen, M., see Hugenschmidt, C. 217 (1997) 72
Jung, P., see Zhu, Z. 217 (1997) 173
Jurado, J.R., see Colomer, M.T. 217 (1997) 48

Kamitsos, E.I., see Chryssikos, G.D. 217 (1997) 278
Kamiya, K., see Nasu, H. 217 (1997) 182
Kapoutsis, J.A., see Chryssikos, G.D. 217 (1997) 278
Katzir, A., see Nagli, L. 217 (1997) 208
Kobayashi, K., Improvement of polarizable capacitance–voltage curves of MOS capacitors passivated with BN-and PbF_2-containing SiO_2–B_2O_3–GeO_2 glasses 217 (1997) 323
Kohn, S., see Hugenschmidt, C. 217 (1997) 72
Kolb, U., D. Gutwerk, R. Beudert and H. Bertagnolli, An IR- and EXAFS-study of the precursor system lead(II) acetate trihydrate, dissolved in methanol and 2-methoxyethanol 217 (1997) 162
Kranold, R., see Walter, G. 217 (1997) 299
Kumeda, M., see Masuda, A. 217 (1997) 121
Kurachi, K., see Nasu, H. 217 (1997) 182
Kutsch, B., O. Lyon, M. Schmitt, M. Mennig and H. Schmidt, Investigations of the electronic structure of nanoscaled gold-colloids in sol–gel-coatings 217 (1997) 143

Langenscheidt, E., see Zhu, Z. 217 (1997) 173
Lara, V.H., see Mendoza-Serna, R. 217 (1997) 30
Lee, Y.-K., see Song, S.-M. 217 (1997) 79
Lepage, J., A. Burneau, N. Guyot and G. Maurice, Porous silica–water interactions. II. Mechanical and dielectric effects 217 (1997) 11
Lepage, J., see Burneau, A. 217 (1997) 1
Le Sauze, A., E. Gueguen and R. Marchand, Nitrided glass as a reaction medium: reduction of Ag and Cu within a phosphorus oxynitride glass matrix 217 (1997) 83
Li, ?.S., see Yao, B. 217 (1997) 317
Lin, X.M., see Yao, B. 217 (1997) 317
Litton, D.A. and S.H. Garofalini, Vitreous silica bulk and surface self-diffusion analysis by molecular dynamics 217 (1997) 250
Liu, B.X., see Chen, Y.G. 217 (1997) 308
Lyon, O., see Kutsch, B. 217 (1997) 143

Machida, S., see Matsuura, K. 217 (1997) 136
MacKenzie, K.J.D., see Schmücker, M. 217 (1997) 99
Maier, K., see Hugenschmidt, C. 217 (1997) 72
Marchand, R., see Le Sauze, A. 217 (1997) 83
Masuda, A., Y. Yonezawa, A. Morimoto, M. Kumeda and T. Shimizu, Influence of Pb incorporation on light-induced phenomena in amorphous $Ge_{100-x-y}Pb_xS_y$ thin films 217 (1997) 121
Matsumura, H., see Satoh, S. 217 (1997) 22
Matsuoka, J., see Nasu, H. 217 (1997) 182
Matsuura, K., S. Machida and K. Horie, High-temperature spectral hole burning for organic–inorganic hybrid systems: porphyrin derivative-doped alumina gels prepared by a sol–gel method 217 (1997) 136
Matsuyama, I., see Satoh, S. 217 (1997) 22
Maurice, G., see Burneau, A. 217 (1997) 1
Maurice, G., see Lepage, J. 217 (1997) 11
McIntyre, B.L., see Messerschmidt, B. 217 (1997) 264
Meinhold, R., see Schmücker, M. 217 (1997) 99
Méndez-Vivar, J., see Mendoza-Serna, R. 217 (1997) 30
Mendoza-Serna, R., P. Bosch, J. Padilla, V.H. Lara and J. Méndez-Vivar, Homogeneous Si–Ti and Si–Ti–Zr polymeric systems obtained from monomeric precursors 217 (1997) 30
Mennig, M., see Kutsch, B. 217 (1997) 143
Messerschmidt, B., C.H. Hsieh, B.L. McIntyre and S.N. Houde-Walter, Ionic mobility in an ion exchanged silver–sodium boroaluminosilicate glass for micro-optics applications 217 (1997) 264
Mito, A., see Nasu, H. 217 (1997) 182
Molev, V., see Nagli, L. 217 (1997) 208
Morimoto, A., see Masuda, A. 217 (1997) 121
Murach, J., S. Jander and R. Brückner, Structure-sensitive investigations on alkali disilicate glass fibers with reference to metasilicate- and silica glass fibers 217 (1997) 92

Nachimuthu, P., R. Jagannathan, V. Nirmal Kumar and D. Narayana Rao, Absorption and emission spectral studies of Sm^{3+} and Dy^{3+} ions in PbO–PbF_2 glasses 217 (1997) 215
Nagli, L., D. Bunimovich, A. Katzir, O. Gorodetsky and V. Molev, The luminescence properties of Dy-doped high silicate glass 217 (1997) 208
Narayana Rao, D., see Nachimuthu, P. 217 (1997) 215
Nasu, H., K. Kurachi, A. Mito, J. Matsuoka and K. Kamiya, Second harmonic generation and structure of mixed alkali titanosilicate glasses 217 (1997) 182
Nirmal Kumar, V., see Nachimuthu, P. 217 (1997) 215

Orignac, X., H.C. Vasconcelos and R.M. Almeida, Structural study of SiO_2–TiO_2 sol–gel films by X-ray absorption and photoemission spectroscopies 217 (1997) 155

Padilla, J., see Mendoza-Serna, R. 217 (1997) 30
Peng, Y.-L., A. Agarwal, M. Tomozawa and T.A. Blanchet, Radial distribution of fictive temperatures in silica optical fibers 217 (1997) 272
Pigorini, S., see Wachtler, M. 217 (1997) 111
Pulcinelli, S.H., see Brito, G.E.S. 217 (1997) 41

Ratnakaram, Y.C. and N. Sudharani, Spectroscopic investigations of Er^{3+} in H_3BO_3–Na_2CO_3–RCl glasses 217 (1997) 291
Rolli, R., see Wachtler, M. 217 (1997) 111
Rüssel, C., see Deckwerth, M. 217 (1997) 55
Rüssel, C., see Deckwerth, M. 217 (1997) 66

Santilli, C.V., see Brito, G.E.S. 217 (1997) 41
Satoh, S., K. Susa, I. Matsuyama, T. Suganuma and H. Matsumura, Chlorination reduction in sol–gel-derived porous silica gels 217 (1997) 22
Schmidt, H., see Kutsch, B. 217 (1997) 143
Schmitt, M., see Kutsch, B. 217 (1997) 143
Schmücker, M., K.J.D. MacKenzie, H. Schneider and R. Meinhold, NMR studies on rapidly solidified SiO_2–Al_2O_3 and SiO_2–Al_2O_3–Na_2O-glasses 217 (1997) 99
Schneider, H., see Schmücker, M. 217 (1997) 99
Schreiber, H.D., see Wilk Jr., N.R. 217 (1997) 189
Shimizu, T., see Masuda, A. 217 (1997) 121
Sokolov, V.O. and V.B. Sulimov, Threefold coordinated oxygen atom in silica glass 217 (1997) 167
Song, S.-M., S.-Y. Choi and Y.-K. Lee, Crystallization property effects in $Ge_{30}Se_{60}Te_{10}$ glass 217 (1997) 79
Speghini, A., see Wachtler, M. 217 (1997) 111
Stachel, D., see Walter, G. 217 (1997) 299
Su, W.H., see Yao, B. 217 (1997) 317
Sudharani, N., see Ratnakaram, Y.C. 217 (1997) 291
Suganuma, T., see Satoh, S. 217 (1997) 22
Sulimov, V.B., see Sokolov, V.O. 217 (1997) 167
Susa, K., see Satoh, S. 217 (1997) 22

Tomozawa, M., see Peng, Y.-L. 217 (1997) 272

Vasconcelos, H.C., see Orignac, X. 217 (1997) 155

Wachtler, M., A. Speghini, S. Pigorini, R. Rolli and M. Bettinelli, Phonon sidebands and vibrational properties of Eu^{3+} doped lead germanate glasses 217 (1997) 111
Walter, G., U. Hoppe, T. Baade, R. Kranold and D. Stachel, Intermediate range order in MeO–P_2O_5 glasses 217 (1997) 299
Watson, R.J., see Craig, B.I. 217 (1997) 106
Wilk Jr., N.R. and H.D. Schreiber, Co^{2+} as a structural probe in acetate liquids and glasses 217 (1997) 189

Yao, B., F.S. Li, X.M. Lin, B.Z. Ding, W.H. Su and Z.Q. Hu, High pressure crystallization of amorphous $(Fe_{0.99}, Mo_{0.01})_{78}Si_9B_{13}$ 217 (1997) 317
Yonezawa, Y., see Masuda, A. 217 (1997) 121

Zhu, Z., P. Jung and E. Langenscheidt, Optical absorption in proton-irradiated vitreous silica and its dependence on irradiation conditions and annealing 217 (1997) 173

ELSEVIER

Journal of Non-Crystalline Solids 217 (1997) 332–334

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject index

Aerogels
Luminescence, Processing Variables 217 (1997) 229

Alkali Borate Glasses
Fluorescence Spectra, Rare Earth Ions 217 (1997) 291

Alloys
Amorphization, Ion Irradiation 217 (1997) 308

Amorphization
Alloys, Ion Irradiation 217 (1997) 308

Atomic Force Microscopy
Fluoride Glasses 217 (1997) 115

Borates
Fluorescence Spectra, Raman Spectra, Structure 217 (1997) 278

Catalysis
Sol–Gel Processes 217 (1997) 48

Chalcogenides
Electron Spin Resonance, Photoinduced Effects, Thin Films 217 (1997) 121

Chalcogenide Glasses
Crystallization 217 (1997) 79

Coatings
Sol–Gel Processes, Titania 217 (1997) 155

Conduction Band
Oxynitride Glasses, Phase Separation, Reduction 217 (1997) 83

Crystallization
Chalcogenide Glasses 217 (1997) 79
Oxynitride Glasses, Phase Separation 217 (1997) 55
Positron Annihilation, Surface Reactions 217 (1997) 72
Pressure Effects 217 (1997) 317

Defects
Optical Properties, Radiation Effects 217 (1997) 173
Silicon Dioxide, Theory 217 (1997) 167

Density
Hardness, Oxynitride Glasses, Polymer Solutions, Thermal expansion 217 (1997) 66

Dielectric Properties
Nuclear Magnetic Resonance, Structure 217 (1997) 99

Diffusion
Ion Exchange 217 (1997) 264
Modelling, Surface Properties 217 (1997) 250
Sol–Gel Processes, Water in Glass 217 (1997) 22

Doping
Porosity, Sol–Gel Processes, X-ray Diffraction 217 (1997) 41

Elastic Properties
Surface Reactions, Water in Glass 217 (1997) 11

Electric Properties
Hydrogen Effects, Switching 217 (1997) 106
Oxides, Oxynitride Glasses, Thin Films 217 (1997) 323

Electron Spin Resonance
Chalcogenides, Photoinduced Effects, Thin Films 217 (1997) 121
Infra-red Absorption, Sol–Gel Processes 217 (1997) 30

EXAFS
Sol–Gel Processes, Solutions 217 (1997) 162

Fibers
Fictive Temperature, Infra-red Absorption 217 (1997) 272

Fictive Temperature
Fibers, Infra-red Absorption 217 (1997) 272

First Sharp Diffraction Peak
Phosphates, Structure, X-ray Diffraction 217 (1997) 299

Fluorescence Spectra
Alkali Borate Glasses, Rare Earth Ions 217 (1997) 291
Borates, Raman Spectra, Structure 217 (1997) 278
Germanates, Phonons, Rare Earth Ions 217 (1997) 111

Fluoride Glasses
Atomic Force Microscopy 217 (1997) 115

Germanates
Fluorescence Spectra, Phonons, Rare Earth Ions 217 (1997) 111

Glasses Containing Transition Metal Ions
Optical Properties, Polymers 217 (1997) 189

Hardness
Density, Oxynitride Glasses, Polymer Solutions, Thermal expansion 217 (1997) 66

Hydrogen Effects
Electric Properties, Switching 217 (1997) 106

Infra-red Absorption
Electron Spin Resonance, Sol–Gel Processes 217 (1997) 30
Fibers, Fictive Temperature 217 (1997) 272
Modelling, Molecular Dynamics Simulation 217 (1997) 236

Ion Exchange
Diffusion 217 (1997) 264

Ion Irradiation
Alloys, Amorphization 217 (1997) 308

Lasers
Optical Properties, Photoinduced Effects, Sol–Gel Processes 217 (1997) 136

Luminescence
Aerogels, Processing Variables 217 (1997) 229
Optical Properties, Oxides, Rare Earth Ions 217 (1997) 199
Oxyhalides, Rare Earth Ions 217 (1997) 215
Phosphates, Rare Earth Ions 217 (1997) 224
Rare Earth Ions, Silicates 217 (1997) 208

Modelling
Diffusion, Surface Properties 217 (1997) 250
Infra-red Absorption, Molecular Dynamics Simulation 217 (1997) 236

Molecular Dynamics Simulation
Infra-red Absorption, Modelling 217 (1997) 236

Nuclear Magnetic Resonance
Dielectric Properties, Structure 217 (1997) 99
Optical Properties 217 (1997) 182

Optical Properties
Defects, Radiation Effects 217 (1997) 173
Glasses Containing Transition Metal Ions, Polymers 217 (1997) 189
Lasers, Photoinduced Effects, Sol–Gel Processes 217 (1997) 136
Luminescence, Oxides, Rare Earth Ions 217 (1997) 199
Nuclear Magnetic Resonance 217 (1997) 182
Small Angle X-ray Scattering, Sol–Gel Processes 217 (1997) 143

Oxides
Electric Properties, Oxynitride Glasses, Thin Films 217 (1997) 323
Luminescence, Optical Properties, Rare Earth Ions 217 (1997) 199

Oxyhalides
Luminescence, Rare Earth Ions 217 (1997) 215

Oxynitride Glasses
Conduction Band, Phase Separation, Reduction 217 (1997) 83
Crystallization, Phase Separation 217 (1997) 55
Density, Hardness, Polymer Solutions, Thermal expansion 217 (1997) 66
Electric Properties, Oxides, Thin Films 217 (1997) 323

Phase Separation
Conduction Band, Oxynitride Glasses, Reduction 217 (1997) 83
Crystallization, Oxynitride Glasses 217 (1997) 55

Phonons
Fluorescence Spectra, Germanates, Rare Earth Ions 217 (1997) 111

Phosphates
First Sharp Diffraction Peak, Structure, X-ray Diffraction 217 (1997) 299
Luminescence, Rare Earth Ions 217 (1997) 224

Photoinduced Effects
Chalcogenides, Electron Spin Resonance, Thin Films 217 (1997) 121
Lasers, Optical Properties, Sol–Gel Processes 217 (1997) 136

Polymers
Glasses Containing Transition Metal Ions, Optical Properties 217 (1997) 189

Polymer Solutions
Density, Hardness, Oxynitride Glasses, Thermal expansion 217 (1997) 66

Porosity
Doping, Sol–Gel Processes, X-ray Diffraction 217 (1997) 41

Positron Annihilation
Crystallization, Surface Reactions 217 (1997) 72

Pressure Effects
Crystallization 217 (1997) 317

Processing Variables
Aerogels, Luminescence 217 (1997) 229

Radiation Effects
Defects, Optical Properties 217 (1997) 173

Raman Spectra
Borates, Fluorescence Spectra, Structure 217 (1997) 278

Rare Earth Ions
Alkali Borate Glasses, Fluorescence Spectra 217 (1997) 291
Fluorescence Spectra, Germanates, Phonons 217 (1997) 111
Luminescence, Optical Properties, Oxides 217 (1997) 199
Luminescence, Oxyhalides 217 (1997) 215
Luminescence, Phosphates 217 (1997) 224
Luminescence, Silicates 217 (1997) 208

Reduction
Conduction Band, Oxynitride Glasses, Phase Separation 217 (1997) 83

Silicates
Luminescence, Rare Earth Ions 217 (1997) 208

Silicon Dioxide
Defects, Theory 217 (1997) 167

Small Angle X-ray Scattering
Optical Properties, Sol–Gel Processes 217 (1997) 143

Sol–Gel Processes
Catalysis 217 (1997) 48
Coatings, Titania 217 (1997) 155
Diffusion, Water in Glass 217 (1997) 22
Doping, Porosity, X-ray Diffraction 217 (1997) 41
Electron Spin Resonance, Infra-red Absorption 217 (1997) 30
EXAFS, Solutions 217 (1997) 162
Lasers, Optical Properties, Photoinduced Effects 217 (1997) 136
Optical Properties, Small Angle X-ray Scattering 217 (1997) 143

Solutions
EXAFS, Sol–Gel Processes 217 (1997) 162

Structural Relaxation
Structure 217 (1997) 92

Structure
Borates, Fluorescence Spectra, Raman Spectra 217 (1997) 278
Dielectric Properties, Nuclear Magnetic Resonance 217 (1997) 99
First Sharp Diffraction Peak, Phosphates, X-ray Diffraction 217 (1997) 299
Structural Relaxation 217 (1997) 92

Surface Properties
Diffusion, Modelling 217 (1997) 250
Surface Reactions, Water in Glass 217 (1997) 1

Surface Reactions
Crystallization, Positron Annihilation 217 (1997) 72
Elastic Properties, Water in Glass 217 (1997) 11
Surface Properties, Water in Glass 217 (1997) 1

Switching
Electric Properties, Hydrogen Effects 217 (1997) 106

Theory
Defects, Silicon Dioxide 217 (1997) 167

Thermal expansion
Density, Hardness, Oxynitride Glasses, Polymer Solutions 217 (1997) 66

Thin Films
Chalcogenides, Electron Spin Resonance, Photoinduced Effects 217 (1997) 121
Electric Properties, Oxides, Oxynitride Glasses 217 (1997) 323

Titania
Coatings, Sol–Gel Processes 217 (1997) 155

Water in Glass
Diffusion, Sol–Gel Processes 217 (1997) 22
Elastic Properties, Surface Reactions 217 (1997) 11
Surface Properties, Surface Reactions 217 (1997) 1

X-ray Diffraction
Doping, Porosity, Sol–Gel Processes 217 (1997) 41
First Sharp Diffraction Peak, Phosphates, Structure 217 (1997) 299